

103<sup>D</sup> CONGRESS  
1<sup>ST</sup> SESSION

# S. 1081

To authorize the Administrator of the Environmental Protection Agency to establish a program to provide career training through the hazardous substance research center program of the Environmental Protection Agency to qualified military personnel and qualified Department of Energy personnel in order to enable such individuals to acquire proficiency in hazardous and radioactive waste management, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

JUNE 8 (legislative day, JUNE 7), 1993

Mr. DOLE (for himself, Mrs. KASSEBAUM, Mr. BOND, Mr. BURNS, Mr. GRASSLEY, and Mr. STEVENS) introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

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## A BILL

To authorize the Administrator of the Environmental Protection Agency to establish a program to provide career training through the hazardous substance research center program of the Environmental Protection Agency to qualified military personnel and qualified Department of Energy personnel in order to enable such individuals to acquire proficiency in hazardous and radioactive waste management, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

1 **SECTION 1. DEFINITIONS.**

2 For the purposes of this Act:

3 (1) The term “Administrator” means the Ad-  
4 ministrator of the Environmental Protection Agency.

5 (2) The term “hazardous substance research  
6 centers” means the hazardous substance research  
7 centers described in section 311(d) of the Com-  
8 prehensive Environmental Response, Compensation,  
9 and Liability Act of 1980 (42 U.S.C. 9660(d)). Such  
10 term shall include the Great Plains and Rocky  
11 Mountain Hazardous Substance Research Center,  
12 the Northeast Hazardous Substance Research Cen-  
13 ter, the Great Lakes and Mid-Atlantic Hazardous  
14 Substance Research Center, the South and South-  
15 west Hazardous Substance Research Center, and the  
16 Western Region Hazardous Substance Research  
17 Center.

18 (3) The term “hazardous waste” means—

19 (A) waste listed as hazardous waste pursu-  
20 ant to subtitle C of the Solid Waste Disposal  
21 Act (42 U.S.C. 6921 et seq.);

22 (B) radioactive waste; and

23 (C) mixed waste.

24 (4) The term “mixed waste” means waste that  
25 contains a mixture of waste described in subpara-  
26 graphs (A) and (B) of paragraph (3).

1           (5) The term “qualified individuals” means  
2           qualified military personnel and qualified Depart-  
3           ment of Energy personnel.

4           (6) The term “qualified Department of Energy  
5           personnel” means individuals who, during the 5-year  
6           period preceding the date of the enactment of this  
7           Act, have been employed by the Department of En-  
8           ergy and have been involved in the production of nu-  
9           clear weapons, and whose employment at the De-  
10          partment of Energy during such 5-year period was  
11          scheduled for termination as a result of a significant  
12          reduction or modification in the programs or  
13          projects of the Department of Energy. Such term  
14          shall not include any employee who terminates em-  
15          ployment by taking early retirement or who other-  
16          wise voluntarily terminates employment.

17          (7) The term “qualified military personnel”  
18          means members and former members of the Armed  
19          Forces of the United States who have training in  
20          site remediation, site characterization, waste man-  
21          agement, waste reduction, recycling, engineering, or  
22          positions related to environmental engineering or  
23          basic sciences (including training for management  
24          positions). Such term shall not include any former  
25          member of the Armed Forces whose service in the

1 Armed Forces was terminated by dismissal (in the  
2 case of a former officer) or by discharge with a dis-  
3 honorable discharge or a bad conduct discharge (in  
4 the case of a former enlisted member).

5 (8) The term “radioactive waste” means solid,  
6 liquid, or gaseous material that contains radio-  
7 nuclides regulated under the Atomic Energy Act of  
8 1954 (42 U.S.C. 2011 et seq.) of negligible economic  
9 value (considering the cost of recovery).

10 **SEC. 2. EDUCATION AND TRAINING PROGRAM.**

11 (a) IN GENERAL.—

12 (1) ESTABLISHMENT OF PROGRAM.—

13 (A) IN GENERAL.—Not later than 6  
14 months after the date of the enactment of this  
15 Act, the Administrator, in consultation with the  
16 Secretaries of Energy and Defense, shall estab-  
17 lish an education and training program for  
18 qualified individuals in order to enable such in-  
19 dividuals to acquire career training in environ-  
20 mental engineering, environmental sciences, or  
21 environmental project management in fields re-  
22 lated to hazardous waste management and  
23 cleanup.

24 (B) DEVELOPMENT OF ACADEMIC PRO-  
25 GRAM.—In carrying out the program, the Ad-

1            administrator, in consultation with the Secretaries  
2            of Energy and Defense, shall develop and im-  
3            plement an academic program for qualified in-  
4            dividuals at institutions of higher education at  
5            both undergraduate and graduate levels, and  
6            which may lead to the awarding of an academic  
7            degree or a certification that is supplemental to  
8            an academic degree.

9            (2) PROGRAM ACTIVITIES.—

10            (A) IN GENERAL.—The program estab-  
11            lished pursuant to paragraph (1) may include  
12            educational activities and training related to—

13                    (i) site remediation;

14                    (ii) site characterization;

15                    (iii) hazardous waste management (in-  
16                    cluding such specialized activities and  
17                    training relating specifically to radioactive  
18                    waste as the Administrator determines to  
19                    be appropriate);

20                    (iv) hazardous waste reduction (in-  
21                    cluding such specialized activities and  
22                    training relating specifically to radioactive  
23                    waste as the Administrator determines to  
24                    be appropriate);

25                    (v) recycling;

1 (vi) process and materials engineer-  
2 ing;

3 (vii) training for positions related to  
4 environmental engineering, environmental  
5 sciences, or environmental project manage-  
6 ment (including training for management  
7 positions); and

8 (viii) environmental engineering with  
9 respect to the construction of facilities to  
10 address the items described in clauses (i)  
11 through (vii).

12 (B) EDUCATIONAL ACTIVITIES.—The pro-  
13 gram established pursuant to paragraph (1)  
14 shall include educational activities designed for  
15 personnel participating in a program to achieve  
16 specialization in the following fields:

17 (i) Earth sciences.

18 (ii) Chemistry.

19 (iii) Chemical Engineering.

20 (iv) Environmental engineering.

21 (v) Statistics.

22 (vi) Toxicology.

23 (vii) Industrial hygiene.

24 (viii) Health physics.

1 (ix) Environmental project manage-  
2 ment.

3 (x) Any other field that the Adminis-  
4 trator determines to be appropriate.

5 (b) GRANT PROGRAM.—

6 (1) IN GENERAL.—From the amounts made  
7 available under subsection (c), the Administrator  
8 shall award grants to the hazardous substance re-  
9 search centers to pay the Federal share of carrying  
10 out the development and implementation of the aca-  
11 demic program described in subsection (a).

12 (2) GRANT AWARDS.—The Federal share of  
13 each grant awarded under this subsection shall be  
14 100 percent.

15 (c) FUNDING.—

16 (1) ENVIRONMENTAL PROTECTION AGENCY.—

17 (A) IN GENERAL.—Subject to the limita-  
18 tion described in subparagraph (B), 50 percent  
19 of the cost of carrying out this section shall be  
20 funded from amounts made available for fiscal  
21 year 1993 to the Environmental Protection  
22 Agency pursuant to the Comprehensive Envi-  
23 ronmental Response, Compensation, and Liabil-  
24 ity Act of 1980 (42 U.S.C. 9601 et seq.).

1 (B) LIMITATION.—The limitation de-  
2 scribed in this subparagraph is that not more  
3 than 1 percent of the amounts made available  
4 for fiscal year 1993 to the Environmental Pro-  
5 tection Agency pursuant to the Comprehensive  
6 Environmental Response, Compensation, and  
7 Liability Act of 1980 (42 U.S.C. 9601 et seq.)  
8 may be used to carry out this section.

9 (C) SPECIAL RULE.—Amounts provided  
10 under this paragraph to hazardous substance  
11 research centers shall be used to supplement  
12 and not supplant other funds provided to such  
13 centers by the Environmental Protection Agen-  
14 cy.

15 (2) DEPARTMENT OF DEFENSE.—

16 (A) IN GENERAL.—Subject to the limita-  
17 tion described in subparagraph (B), 25 percent  
18 of the cost of carrying out this section shall be  
19 funded from amounts appropriated for fiscal  
20 year 1993 to the Defense Environmental Res-  
21 toration Account established in section 2703 of  
22 title 10, United States Code.

23 (B) LIMITATION.—The limitation de-  
24 scribed in this subparagraph is that not more  
25 than 1 percent of the amounts appropriated for



1       fiscal year 1993 to the Defense Environmental  
2       Restoration Account may be used to carry out  
3       this section.

4               (C) TRANSFER.—The Secretary of Defense  
5       shall transfer an amount determined in accord-  
6       ance with subparagraphs (A) and (B) to the  
7       Environmental Protection Agency, pursuant to  
8       the authority granted the Secretary under sec-  
9       tion 2703 of title 10, United States Code.

10       (3) DEPARTMENT OF ENERGY.—

11              (A) IN GENERAL.—Subject to the limita-  
12       tion described in subparagraph (B), 25 percent  
13       of the cost of carrying out this section shall be  
14       funded from amounts made available for fiscal  
15       year 1993 to the Department of Energy for the  
16       purpose of environmental cleanup.

17              (B) LIMITATION.—The limitation de-  
18       scribed in this subparagraph is that not more  
19       than 1 percent of the amounts made available  
20       for fiscal year 1993 to the Department of En-  
21       ergy may be used to carry out this section.

22              (C) TRANSFER.—The Secretary of Energy  
23       shall transfer an amount determined in accord-  
24       ance with subparagraphs (A) and (B) to the  
25       Environmental Protection Agency.

1           (D) SPECIAL RULE.—Amounts provided  
2           under this paragraph to hazardous substance  
3           research centers shall be used to supplement  
4           and not supplant other funds provided to such  
5           centers by the Department of Energy.

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